

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors	PO ID PO31994	All Receipt Dates	All Line Item Types
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	All Item ID/GL/WOs	All Rec. Employees	All Currencies
Count	11	11	11
Sum	11	11	11
Average	11	11	11
Minimum	11	11	11
Maximum	11	11	11
Standard Deviation	11	11	11
Variance	11	11	11
Skewness	11	11	11
Kurtosis	11	11	11
Mode	11	11	11
Median	11	11	11
Range	11	11	11
Interquartile Range	11	11	11
Five Number Summary	11	11	11
Correlation Coefficient	11	11	11
Regression Line	11	11	11
Residuals	11	11	11
ANOVA	11	11	11
Chi-Square Test	11	11	11
F-Test	11	11	11
T-Test	11	11	11
U-Test	11	11	11
Sign Test	11	11	11
Rank Sum Test	11	11	11
Binomial Test	11	11	11
Poisson Test	11	11	11
Normal Test	11	11	11
Log-Normal Test	11	11	11
Weibull Test	11	11	11
Exponential Test	11	11	11
Gamma Test	11	11	11
Beta Test	11	11	11
Cauchy Test	11	11	11
Student's T Test	11	11	11
F-Test	11	11	11
Chi-Square Test	11	11	11
F-Test	11	11	11
T-Test	11	11	11
U-Test	11	11	11
Sign Test	11	11	11
Rank Sum Test	11	11	11
Binomial Test	11	11	11
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Log-Normal Test	11	11	11
Weibull Test	11	11	11
Exponential Test	11	11	11
Gamma Test	11	11	11
Beta Test	11	11	11
Cauchy Test	11	11	11
Student's T Test	11	11	11

Grouped by Vendor ID

[illegible]

Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 85159730

01 / 1

Rev.: 0

Seite / page:

1 von / of 2

Datum / date:

2015 08 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer:	Bestell Nr. / order no.:	C 69965
	Datum / date:	2015 02 05
	Auftragsbest. Nr. / order confirm no.:	688222
	Datum / date:	2015 02 09
Warenempfänger / consignee:	Lieferschein Nr. / delivery note:	85159730
	Datum / date:	2015 08 18

Produkt / product	Bedingungen / terms
Form / form: Sheet Werkstoff / material: 2024 Zustand / temper: T3 Dim. / dim.: [inch]: 0,032x48,00x144,00	Technische Lieferbedingungen / techn. spec.: AMS-GG-A-250/4A, 09.1998 ASTM B 209 - 10 AMS 4037Q, 12.2014 WL 3.1354-1, 12.1987 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. U, 05-26-11 ANSI H35.2-2013 ABM 1-6015, Issue 2, OCT 2004 AIR9048-110, 26 December 1978 Sondervorschrift / special terms:

AB-Pos. ord. item:	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
03	69193/02/00	01/0070002/5	2024	6882220018	2405,203 lbs	110

Chemische Zusammensetzung [%] Gewichtanteile / Chemical composition [%] weight proportion (OES)											
Guss Nr. / cast no.	material	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Ti+Zr	Others Each
01/0070002/5	2024	-	-	3,8	0,30	1,2	-	-	-	-	-
	spec. min.	-	-	3,8	0,30	1,2	-	-	-	-	-
	spec. max.	0,50	0,50	4,9	0,90	1,8	0,10	0,25	0,15	0,20	0,05
	actual	0,06	0,12	4,4	0,46	1,5	0,01	0,13	0,04	0,04	0,02
	Others Total										
	spec. min.	-									
	spec. max.	0,15									
	actual	0,03									

Zugprüfung LT / tensile test LT									
BNr/Los	Zustand	Richtung	Tests	UTS	YS	A2"			
Lot/No.	temper	direction		[ksi]	[ksi]	[%]			
			spec.min.	63,8	42,1	15			
			spec.max.	-	-	-			
69193/02	T3	LT	4	from	67,0	48,3	16		
69193/02	T3	LT		to	67,6	49,0	18		

1395589

DAS
48
9-89

16/04/19

Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 85159730

01 / 1

Rev.: 0

Seite / page:

2 von / of 2

Datum / date:

2015 08 18

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Elektr. Leitfähigkeit GM / electr. Conductivity GM							
BNr/Los Lot/No.	Zustand temper	Tests		L / ec [% IACS]	ΔL / Δec per batch [% IACS]		
			spec.min.	-	-		
			spec.max.	32,8	2,6		
69193/02	T3	12	from	30,6	0,2		
69193/02	T3		to	30,9	0,2		

Sonstige Prüfungen / other tests

Biegeversuch: OK. / Transverse bend test: OK.
Interkristalline Korrosion: OK. / Intergranular corrosion: OK.
Maßkontrolle: OK. / Dimensional Check: OK.
Oberfläche: OK. / Surface inspection: OK.

Bemerkungen / notes

Die Dimensionstoleranzen entsprechen ANSI XXX /
As standard, dimensional tolerances are to ANSI XXX

Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland Genehmigung Lieferantennummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland approval supplier code V21275

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

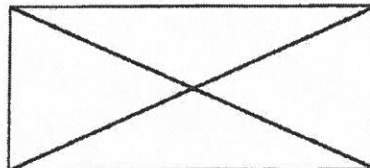
Werkstoffverständiger / factory specialist

Klampfer Josef

E-Mail / e-mail

josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
Maschine! erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.



MATERIAL RECEIPT INSPECTION FORM

MATERIAL M 2024T35.032

PO / BATCH NO PO 31994 / 134581

DATE 12/04/19

MATERIAL CERT REC'D yes

THICKNESS ORDERED .032

QUANTITY RECEIVED 48 SF

THICKNESS RECEIVED .032

QUANTITY INSPECTED 48 SF

SHEET SIZE ORDERED 48.00 SF

QUANTITY REJECTED 0

SHEET SIZE RECEIVED 48.00 SF

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	ASTM B209
CORRECT THICKNESS	(Y) N	.032
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	2024T3
CORRECT REF # TO LINK CERT	(Y) N	69193/02/00
CORRECT MATERIAL IDENTIFICATION	(Y) N	2024T3.032
CORRECT M# ON THE MATERIAL	(Y) N	M 134581
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	M/A
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u>		SIGNED OFF BY: _____	
DATE: <u>12/04/19</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL M2024T35.050
DATE 16/04/19

PO / BATCH NO P031994/134581

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 48 st
QUANTITY INSPECTED 48 st
QUANTITY REJECTED 0

THICKNESS ORDERED .050
THICKNESS RECEIVED .050
SHEET SIZE ORDERED 48 st
SHEET SIZE RECEIVED 48 st

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	ASTM B209
CORRECT THICKNESS	(Y) N	.050
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	2024T3
CORRECT REF # TO LINK CERT	(Y) N	128909B9
CORRECT MATERIAL IDENTIFICATION	(Y) N	M2024T35.050
CORRECT M# ON THE MATERIAL	(Y) N	M134581
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	R/A
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u>	<u>5</u>	SIGNED OFF BY: _____	
DATE <u>16/04/19</u>	<u>16/04/19</u>	DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SHIP TO:
SOLD TO:

CERTIFIED TEST REPORT

Serial Number
4376202

CUSTOMER PO NUMBER: C70214	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 103210/1	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1193629	LINE ITEM: 2	SHIP DATE: 19-MAY-2015	ALLOY: 2024	CLAD: BARE
TEMPER: T3	PRODUCT DESCRIPTION: HT Flat Sheet			
WEIGHT SHIPPED: 3255 LB	QUANTITY: 93 PCS EST.	TRUCK B/L #: 2053964	GAUGE: 0.0500 IN (1.2700 MM)	DIAMETER/WIDTH: 48.000 IN (1219.2 MM)
			LENGTH: 144.000 IN (3657.6 MM)	

MHU 1889891: LOT 128909B9: 59 pieces LOT 128998B2: 34 pieces;

0911158

0911159

Certified Specifications

AMS 4037/RevQ
CMMP 019/RevD

AMS-QQ-A-250/4/RevB
CMMP 025/RevU

ASTM B 209/Rev14

Test Code: 1504

Test Results

Lot: 128909B9 Cast 773 Drop 78 Ingot 4 Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	65.9 : 66.8 (454 : 461)	44.5 : 44.7 (307 : 308)	18.3 : 19.5

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.17	4.5	0.55	1.4	0.01	0.09	0.02	0.01	0.01	TOT 0.05

Lot: 128998B2 Cast 773 Drop 78 Ingot 2 Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	66.0 : 66.4 (455 : 458)	44.1 : 44.4 (304 : 306)	17.9 : 18.8

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.17	4.5	0.55	1.4	0.01	0.09	0.02	0.01	0.01	TOT 0.05

CERTIFIED TEST REPORT

Serial Number
4376202

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

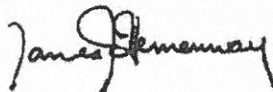
Aluminum Remainder

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO-9001:2008/AS9100C certified and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements.
- * was melted in the United States of America or a qualifying country per DFARS 225.372-11a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- * has been thermally processed in compliance with AMS 2772, where applicable.
- * is mercury free, within the limits of detection of ASTM E1251 (< = 1ppm).
- * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- * is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) n°1907/2006.
- * is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on this certificate may be punished as a felony under federal law.



JAMES HEMENWAY, LABORATORIES SUPERVISOR



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31994

Purchase Order Date 4/8/2016

PO Print Date 4/8/2016

Page Number 1 of 2

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



APR 11 2016

Contact Name

Vendor Phone

800 667 4248

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M2024T3S.032	2024-T3 .032 sheet	4/15/2016 Yes 4/15/2016		48.00 ✓ sf	\$4.77	\$228.95
MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209							
Line Total:							\$228.95
2	M2024T3S.050	2024-T3 .050 sheet	4/15/2016 Yes 4/15/2016		48.00 ✓ sf	\$7.46	\$357.85
MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209							
Line Total:							\$357.85

Sp/16-04-15

Note:

4/8/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31994

Purchase Order Date 4/8/2016

PO Print Date 4/8/2016

Page Number 2 of 2

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

3	M5052H32S.040	5052-H32 .040 Sheet	4/15/2016	32.00	\$1.88	\$60.00
			Yes	sf		
			4/15/2016			

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

Line Total: \$60.00

4	71401-45	PROCUREMENT QUALITY CLAUSES	4/15/2016	1.00	\$0.00	\$0.00
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No

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

4/15/2016

Line Total: \$0.00

PO Total: \$646.80

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 4/8/2016